

0059866

SAF-B03-015
Remaining Sites Confirmation
Sampling-Soil
FINAL DATA PACKAGE

E:MAIL RESULTS TO:

Patty Krueger

N/A
INITIAL/DATE

Renee Nielson

N/A
INITIAL/DATE

MAIL COMPLETE COPY OF DATA PACKAGE TO:

Ella Feist

H9-01

EF 6.12.03
INITIAL/DATE

Mike Stankovich

H9-02

MS 6.12.03
INITIAL/DATE

Bob Hynes

H0-18

BH 6.12.03
INITIAL/DATE

Jeanette Duncan

H9-02

JD 6.12.03
INITIAL/DATE

COMMENTS: (PLEASE INCLUDE THE FOLLOWING ON THE COVER SHEET)

SDG

D00347

SAF-B03-015

Rad only

☒ Chem only

Rad & Chem

☒ Complete

Partial

Sample Location/Waste Site: 628-1

RECEIVED
JUL 28 2003
EDMC



5/21/03
Page 1 of 2

SUBMITTED TO:

Joan Kessner
Bechtel Hanford
3350 George Washington Way, MS H0-25
Richland, WA 99352

REFERENCE DATA:

Client Sample No.:	J00ND9 through J00NF0
P.O. No.:	Not Available
Sample Location:	628-1 White Bluffs burn pit
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	03-A-2300
DCL Sample ID No.:	03-14682 through 03-14683
Sample Receipt Date:	5/14/03
Analysis Date:	5/21/03



We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were removed from the sample containers, dried, ground with a mortar and pestle, and sieved with 2-mm, 1-mm and a 0.5-mm screens before being mounted on a glass microscope slides. Each size fraction was examined under a stereomicroscope for fibrous materials. Mountings of the fibers observed and representative portions of the material were prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the portions of materials analyzed and are summarized on the attached Bulk Asbestos Analysis Data Sheets. DataChem Laboratories will dispose of all bulk samples after 60 days unless other arrangements are made.


Shawn Smythe
Analyst


Anna Marie Ristich
Reviewer

*Some samples may contain fibers that are not visible by PLM and can only be discovered by electron microscopy techniques.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NIST.

ORIGINATING OFFICE
4500 GUENGLER HAMILFORD ROAD
ORION, OHIO 44059-7710
TEL 440-899-7710 FAX 440-704-6047

WEST COAST OFFICE
1100 VIA CALIFORNIA STREET
OAKLAND, CA 94612-4000
TEL 415-778-1100 FAX 415-778-1101

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Summary**


Client: Bechtel Hanford
Location: 628-1 White Bluffs burn pit
Set ID: 03-A-2300

Client Sample ID:	J00ND9	J00NF0
DCL Sample ID:	03-14682	03-14683
Macroscopic Examination		
Accepted/Rejected:	Accepted	Accepted
Homogeneity:	Homog.	Homog.
Color:	Brown	Brown
Texture:	Granular	Granular
Description:	Soil	Soil
Analysis:	PLM	PLM
Asbestiform Minerals		
% Chrysotile:		
% Amosite:		
% Crocidolite:		
% Tremolite - Actinolite:		
% Anthophyllite:		
% Total Asbestos:	ND	ND
Other Materials		
% Cellulose:		Trace
% Fiberglass:		
% Other Fibers:		
% Resin/Binder:		
% Non Fibrous:	>90≤100	>90≤100

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


Shawn Smythe
Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B03-015-97		Page 1 of 1													
Collector Doug Bowers		Company Contact Renee Neilson		Telephone No. 521-2090		Project Coordinator KESSNER, JH		Price Code 8B													
Project Designation Remaining Sites Confirmation Sampling-Soil		Sampling Location 628-1 White Bluffs burn pit		SAF No. B03-015		Air Quality <input type="checkbox"/>		Data Turnaround 24 Hours													
Ice Chest No. <i>n/a</i>		Field Logbook No. EL-1578		COA C17HXU600C		Method of Shipment Fed Ex															
Shipped To DataChem Laboratories		Offsite Property No. <i>n/a</i>				Bill of Lading/Air Bill No. <i>8291-5245-5215</i>															
POSSIBLE SAMPLE HAZARDS/REMARKS Special Handling and/or Storage					Preservation	None															
					Type of Container	Whirl Pack															
					No. of Container(s)	1															
					Volume	5g															
SAMPLE ANALYSIS <i>03-A-2300</i>					Asbestos-BULK-EPA																
Sample No.	<i>03-</i>	Matrix *	Sample Date	Sample Time																	
J00ND9	<i>14683</i>	SOIL	<i>5-12-03</i>	<i>1430</i>	<i>X</i>																
J00NF0	<i>14683</i>	SOIL	<i>5-12-03</i>	<i>1500</i>	<i>Y</i>																
CHAIN OF POSSESSION					Sign/Print Names					SPECIAL INSTRUCTIONS					Matrix * S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other						
Relinquished By/Removed From <i>Doug Bowers</i> Date/Time <i>5-12-03/1645</i>					Received By/Stored In <i>R.F. JA 3728</i> Date/Time <i>5-12-03/1645</i>					<i>7 day turn per A Ristic 5/14/03</i>											
Relinquished By/Removed From <i>R.F. JA 3728</i> Date/Time <i>5-13-03/1200</i>					Received By/Stored In <i>Fed Ex</i> Date/Time <i>5-13-03</i>																
Relinquished By/Removed From <i>R.F. JA 3728</i> Date/Time <i>5-13-03/1200</i>					Received By/Stored In <i>Doug Bowers</i> Date/Time <i>5-13-03/1200</i>																
Relinquished By/Removed From <i>Doug Bowers</i> Date/Time <i>5-13-03</i>					Received By/Stored In <i>Fed Ex</i> Date/Time																
Relinquished By/Removed From					Received By/Stored In																
Relinquished By/Removed From					Received By/Stored In																
LABORATORY SECTION		Received By <i>[Signature]</i>			Title			Date/Time <i>5/14/03/1110</i>													
FINAL SAMPLE DISPOSITION		Disposal Method			Disposed By			Date/Time													